

WHAT IS CLAIMED IS:

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1. An image input device including:  
a mirror body which is designed in a polygonal prism form and formed of mirror faces on the side peripheral surfaces thereof to reflect image pickup light from a subject at a mirror face; and

a linear sensor for taking therein the image pickup light reflected from each mirror face of said mirror body and subjecting the image pickup light thus taken to photoelectric conversion, wherein said mirror body is disposed so that the length direction thereof is substantially parallel to the length direction of said linear sensor, and provided so as to be rotatable around the center of a plane which is substantially perpendicular to the length direction of said mirror body.

2. The image input device as claimed in claim 1, further including:

a housing in which said mirror body and said linear sensor are accommodated, and a slender incidence window for passing the image pickup light therethrough into said housing is formed so that the length direction thereof is substantially parallel to the length direction of said mirror body; and

support legs which are formed at the formation side of said incidence window of said housing so as to expand from said housing to the outside and support said housing, said support legs being retractably provided in said housing or detachably

mounted to said housing.

3. The image input device as claimed in claim 1, further including storage means for storing image pickup information output from said linear sensor.

4. The image input device as claimed in claim 1, further including communication means for communicating image pickup information output from said linear sensor to the outside.

5. The image input device as claimed in claim 1, wherein said linear sensor is constructed by a semiconductor image pickup element.

6. An image input device including:

a housing having a slender incidence window to pass image pickup light from a subject therethrough into said housing;

a mirror body which has mirror faces for reflecting the image pickup light from said incidence window and rotatably or swingably provided in said housing;

a linear sensor which is disposed in said housing and takes the image pickup light reflected from said mirror body to subject the image pickup light to photoelectric conversion; and

a plurality of illuminators which are provided in said housing and successively turned on to light up to the subject.

7. The image input device as claimed in claim 6, wherein said mirror body is designed in a polygonal prism form and formed of said mirror faces on all the side peripheral surfaces thereof, and disposed so that the length direction thereof is

substantially parallel to the length direction of said linear sensor and provided so as to be rotatable around the center of the plane which is substantially perpendicular to the length direction of said mirror body, and wherein said incidence window is formed so that the length direction thereof is substantially parallel to the length direction of said mirror body.

8. The image input device as claimed in claim 6, wherein said mirror body is designed in the form of a flat plate, one face or both faces thereof being formed of said mirror faces, and a shaft is formed along said mirror faces so as to be located within said mirror body so that said mirror body is rotatable or swingable around said shaft, and wherein said incidence window is formed so that the length direction is substantially parallel to said shaft of said mirror body.

9. The image input means as claimed in claim 6, further including:

first driving means for rotating or swinging said mirror body;

second driving means for successively turning on said plural illuminators; and

timing signal generating means for outputting timing signals to said first driving means and said second driving means so that said illuminators are successively turned on at a predetermined timing with respect to the rotational or swinging motion of said mirror body.

10. The image input device as claimed in claim 6, further including support legs which are formed at the formation side of said incidence window of said housing so as to expand from said housing to the outside and support said housing, said support legs being provided so as to be retractable into said housing or detachably mounted to said housing.

11. The image input device as claimed in claim 6, further including storage means for storing image pickup information output from said linear sensor.

12. The image input device as claimed in claim 6, further including communication means for communicating image pickup information output from said linear sensor to the outside.

13. The image input device as claimed in claim 6, wherein said linear sensor is constructed by a semiconductor image pickup element.